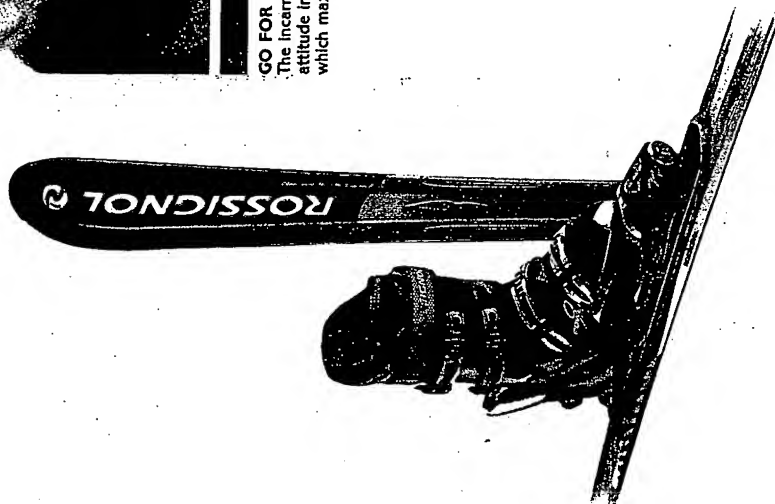


# PISTE RACE



GO FOR IT!

The incarnation of the Golden Spirit attitude in two racing thoroughbreds which maximise stability at high speeds.



POWERPULSION 95	POWERPULSION 9X
110-135-148	103-135-143
19.5 (164)	21.8 (188)
1960 (164)	2180 (188)

GOLDEN SPIRIT

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## POWERPULSION 9X

- The ultimate giant slalom ski.
- 100% racing, stable, high-gripping.
- AXIAL TECHNOLOGY and rebound.
- POWERPULSION
- DUALTEC
- DUAL VAS
- ROUND TIP
- ABSORBER INDEX: 100



POWER 140

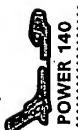


POWER PULSION



## POWERPULSION 95

- The big innovation - shaped for slalom, aggressive but easy, with high energy and rebound.
- AXIAL TECHNOLOGY and rebound.
- POWERPULSION
- DUALTEC 2
- ACTIVATOR
- DUAL VAS
- ROUND TIP
- ABSORBER INDEX: 100



POWER 140



POWER PULSION



## INTERFACES

### POWER PULSION

The "must" technology for short skis, Powerpulsion systems have been developed for several models in the range. The Powerpulsion system is made up of aluminium or composite interfaces, combined with absorbers of different hardnesses, for different uses. These interfaces are pre-drilled for AXIAL technology bindings.



#### RACE ET VIPER STX

This aluminium interface contributes precision, performance and stability.

#### VIPER ST

This composite interface works in the same way as the aluminium interface, but is 30% lighter. The ski is comfortable, forgiving and easy to control.

### OWIC TWIN DECK

This new Rossignol patented interface comprises two totally independent parts.



Pre-drilled, it is designed to work with Axial and Axium technology bindings.

- Its original geometry respects natural transversal and longitudinal ski flex.
- Its two-part design makes it 25% lighter than conventional add-on interfaces.



- Pressures are exerted independently on each edge to optimise feel in carving.

### ABSORBER

Powerpulsion and Twin Deck plates feature a visco-elastic "absorber". These materials have different hardnesses, to which correspond performance indices.



- Examples:
- Index 100: for RACING skis needing maximum responsiveness, 100% performance.
  - Index 90: for VIPER skis, 90% performance, but also comfort and forgiveness.
  - Index 70: for skis with Twin Deck interfaces, 70% performance but great comfort.

## TECHNOLOGY



The X-PULSION System on RPM skis absorbs shocks and transmits power. It helps with steering so skiers can concentrate on turns and speed.

This system is a plate built into the V FLEX structure of RPM skis. The interface, pre-drilled for AXIAL technology bindings, is made from light composite materials. A shock absorber filters the vibrations and improves comfort.



Visco-elastic material behind the interface energy absorption and restitution in shocks.



Built into the structure Transfers energy directly to the edges  
► more powerful grip  
► carving control



Floating assembly with composite flex ski. AXIAL technology high vertical elasticity to absorb shocks.



**INTEGRAL DUALTEC**  
Continuous, variable height sidewalls running the whole length of the ski. Integral power transmission for expert skiers.  
► precision control in turns  
► performance  
► grip.



**CENTRAL DUALTEC**  
Combined caps and sidewalls. The sidewall is under the boots. The cap is at the heel.  
► easier skiing and comfort.



**SUSPENSION PLATEFORM**  
Raised and built into 3d structure under the bindings. It acts as a suspension system making skis: ► more manoeuvrable and more forgiving ► more dynamic and livelier.



**V FLEX**  
Twist resist technology. A V shape which gradually widens from the tail towards the tip.  
► Wide in front for good resistance  
► Narrow at the back for more forgiveness, comfort and easy turn exits.



**DUAL VAS**  
Built into the front end, the ski interface on the Duotec sidewalls, the DUAL VAS damps vibrations directly at their source for:  
► more precise control  
► more stability in turns  
► more comfortable contact between the ski and the snow



**FREE VAS: DEVELOPED FOR FREERIDE**  
**AT THE BACK:**  
► better contact between the ski and the snow and more comfortable landings.



**AT THE BACK:**  
► better contact between the ski and the snow and more comfortable landings.



**T2 CONCEPT**  
This is the lift at the tail expressed in millimetres. 20 mm < T2 Concept < 30 mm control, facilitated skidding, feeling of freedom coming out of turns.  
T2 Concept > 30 mm for aerobatics and "false" landings.

**ROUND TIPS**  
These new round tips are designed for high ease out. They reduce front end swingweight, making skiing easier.



**THC**  
Snowboard accessibility applied to skis. Microcell to damp vibrations and for more comfort and stability. Microcell for more liveliness, lightness and pop.



**30° inclined sidewalls**  
Less swingweight and weight ► easier pivoting and skidding ► faster edge changes.  
**Rolling Chair effect**

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## CONCEPT

So that short skis stay stable and perform well at high speeds, you have to maximise the contact area between the skis and the snow.

# GOLDEN SPIRIT

## TECHNOLOGY

### POWERPULSION SYSTEM:

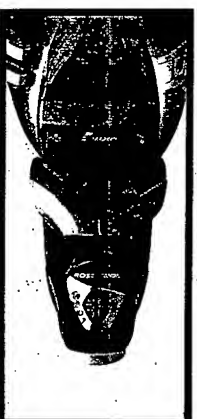
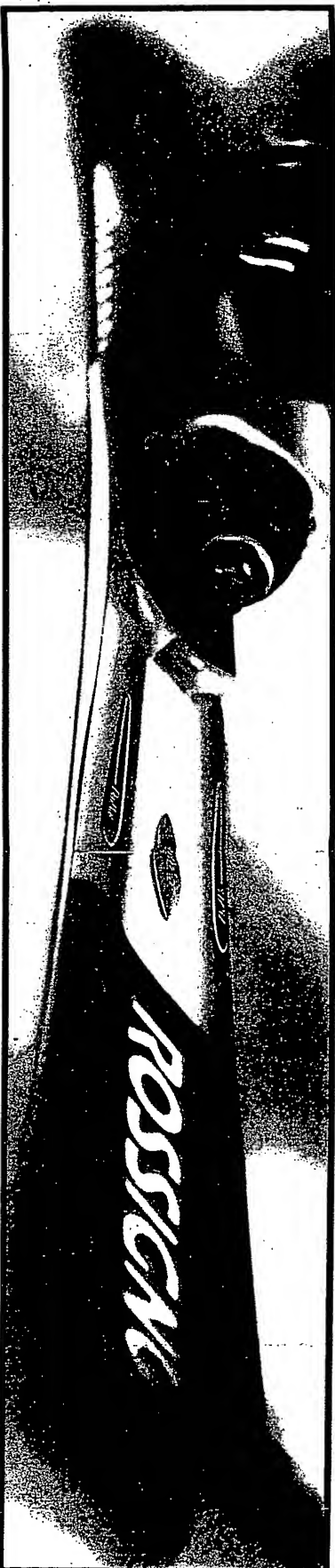
NEW: POWERPULSION SYSTEM  
FOR THE NEW SLALOM  
TECHNIQUE - HARD-DRIVING, SHORT,  
VERY FAST TURN SEQUENCES.

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### POWERPULSION SLALOM

A new ski + interface + binding integration for short, stable skis  
The PowerPulsion system optimises the contact areas by pushing the ends of the ski down onto the snow via the plate and the arms.  
This greatly improves the stability of skis in turns and boosts responsiveness and linearity.  
In this system, the plate is an integral part of the ski structure. By centring the masses, integrated plates reduce ski swingweight to improve slider balance.  
Bearing directly down on ski sidewalls, the plate also guarantees absolutely precise, radical, power transmission. Works with Axial technology for shorter, easier-to-use skis.

## POWER PULSION



### AXIAL TECHNOLOGY

An essential component in the POWERPULSION system,  
POWER bindings get all the benefits of our new AXITEC  
development - the AXITEC, Oversize, AXITEC improves boot  
support and transfers energy towards the ski more precisely.  
Edge to edge pivoting is more effective and turn control  
is more accurate.



### THE NEW POWER RACE BOOTS

Thanks to their new Free Hinging structure, new  
POWER RACE boots are designed to work in total  
synergy with the POWERPULSION system.

### NEW DUALTEC, 2 TWO MAJOR INNOVATIONS

#### 1 - DUAL MATERIAL SIDEWALLS

- Behind the feet: slim, rigid sidewalls for:
- more direct energy transfers
  - better feel when exiting turns
  - maximum power
- In front of the feet: thick sidewalls made from comfortable, forgiving materials.
- easy, fun, turn initiation
  - better contact between the skis and the snow.

#### 2 - ACTIVATOR

The new slalom technique and smaller size skis often lead to loss of balance towards the rear. Located behind the interface,  
the ACTIVATOR is a visco-elastic zone which plays a decisive part  
in forwards / backwards skier balance. Entering a turn compresses  
the ACTIVATOR, like a spring. Leaving the turn, the point up energy  
is released to propel the skier forwards.

• see technical explanations for boots p. 44-45

→ → → **SKI**

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PISTE ALL ROAD FREE JUNIOR FOR WOMEN

RACE RPM BANDIT RACE SAPHIR  
VIPER WATTS SCRATCH ALL ROAD  
COBRA  
AXIUM



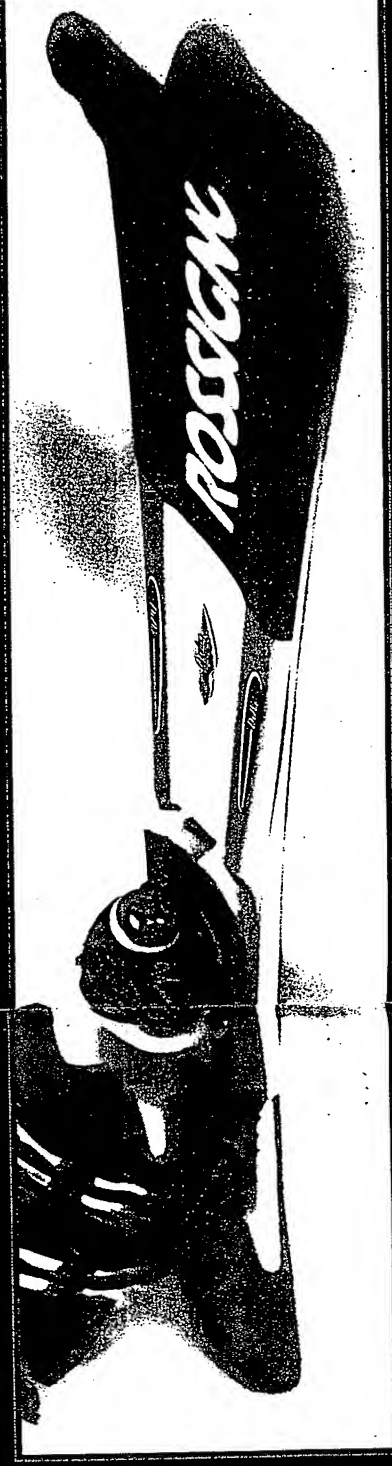
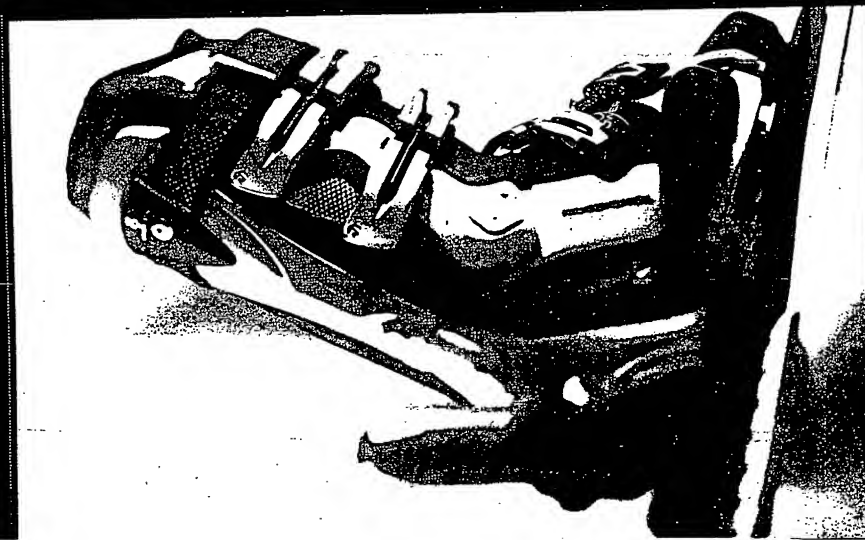
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A SUM OF INTERACTIVE INNOVATIONS CONCENTRATED  
IN A NEW SLALOM RACING SYSTEM.

GOLDEN SPIRIT

TECHNICIANS, DESIGNERS, ORIGINATORS, ENGINEERS, TESTERS... all these experts place their talent and passion at the service of Rossignol TEAM racers. And even the impossible becomes possible.



GOLDEN SPIRIT: FOR AGGRESSIVENESS, STABILITY, BALANCE, AND CONTROL...